

FIG. 1 is a schematic diagram of a system for controlling a motor. The system includes a motor 22, a control unit 26, and a power source 30. The motor 22 is connected to the control unit 26, which is in turn connected to the power source 30. The power source 30 is a battery pack consisting of a plurality of cells 32 and 34. The control unit 26 is a microcontroller 36 that receives input from a sensor 12 and outputs a signal to the motor 22. The sensor 12 is a position sensor 18 that provides feedback to the microcontroller 36. The microcontroller 36 is also connected to a display 38, which provides visual feedback to the user. The system is shown in a perspective view, with the motor 22 and control unit 26 connected by a cable 14. The power source 30 is shown in a cross-sectional view, revealing the internal cells 32 and 34. The sensor 12 is shown in a cross-sectional view, revealing the internal position sensor 18. The microcontroller 36 is shown in a cross-sectional view, revealing the internal microcontroller 36. The display 38 is shown in a cross-sectional view, revealing the internal display 38.

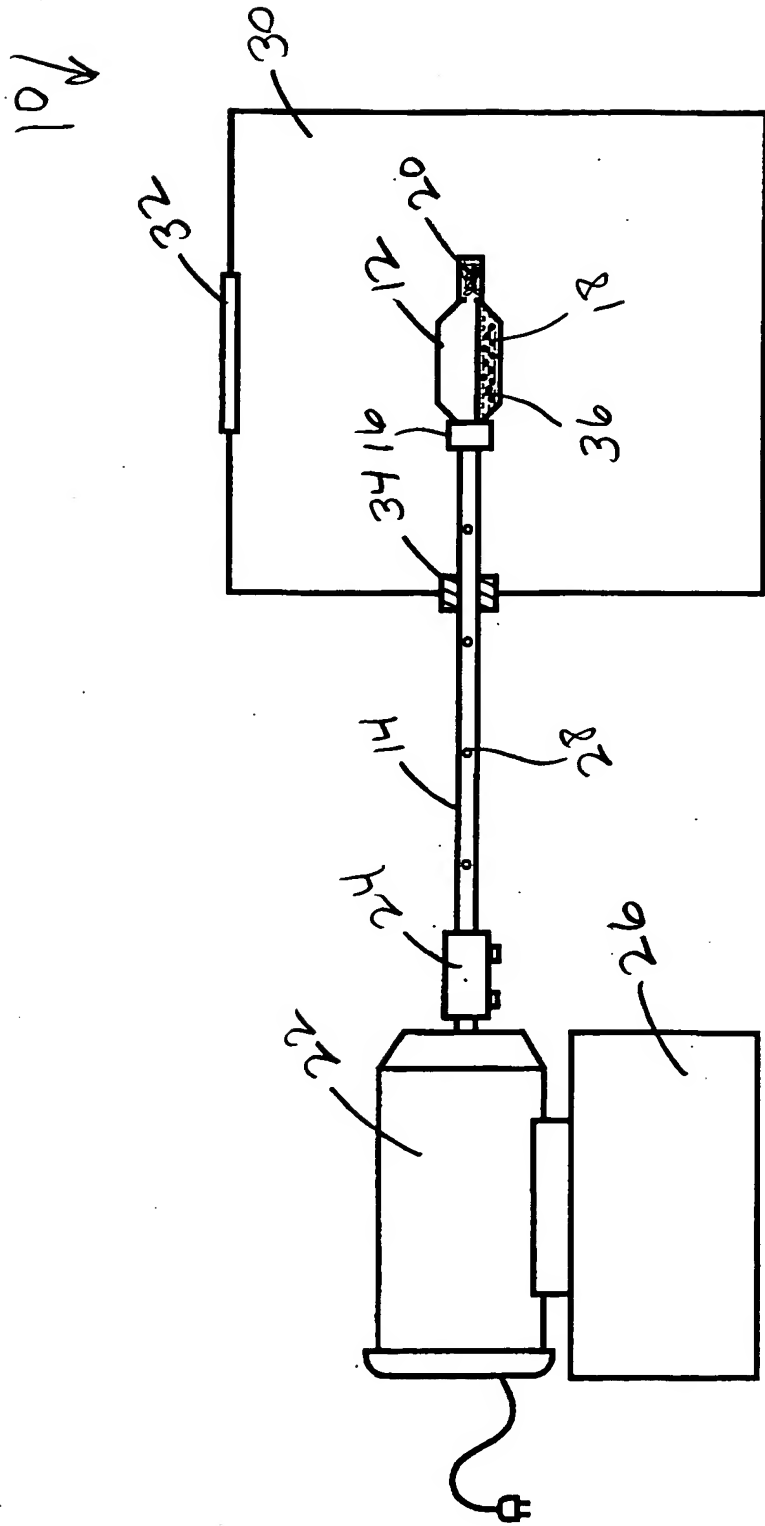


FIG. 1

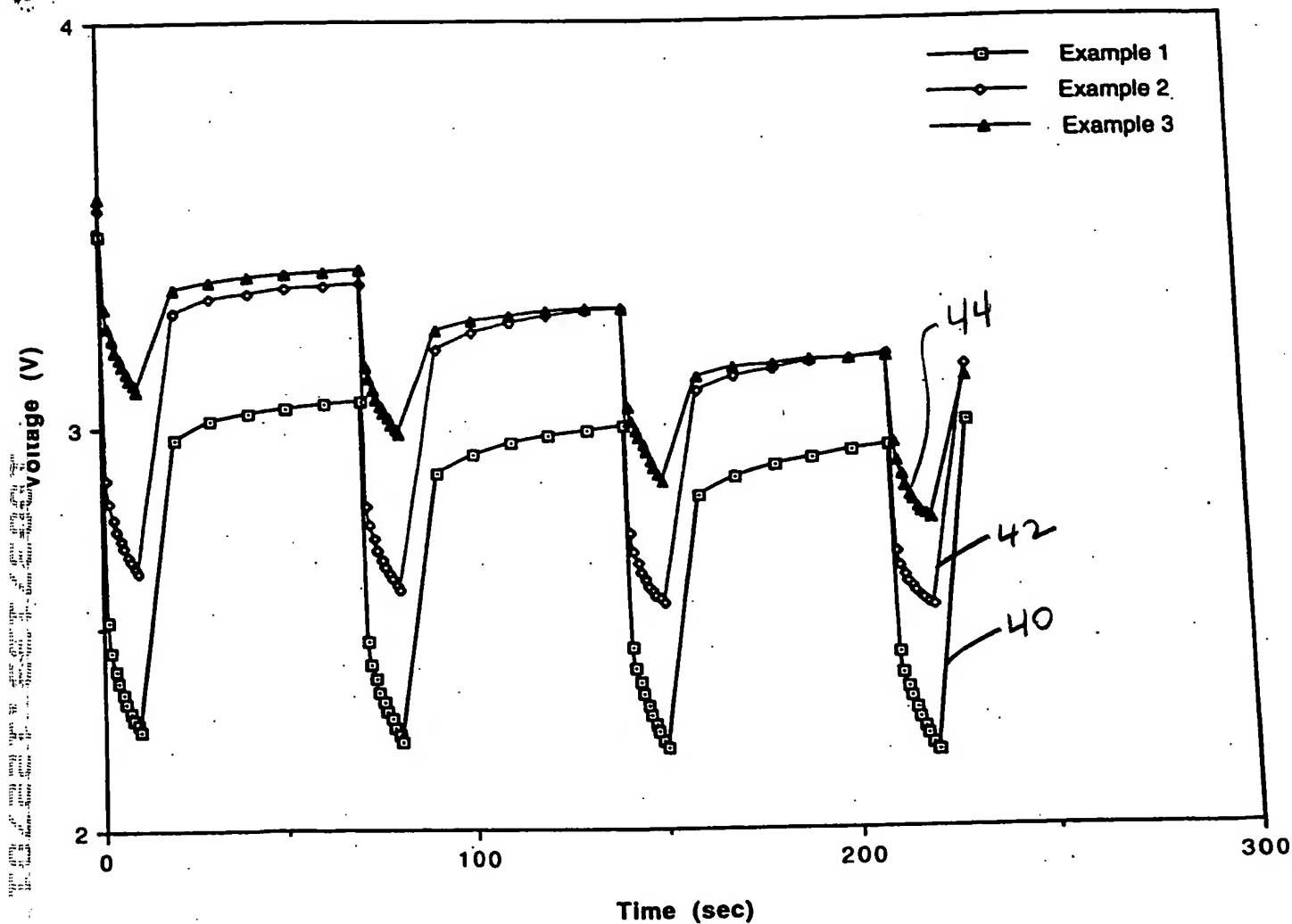


FIG. 2

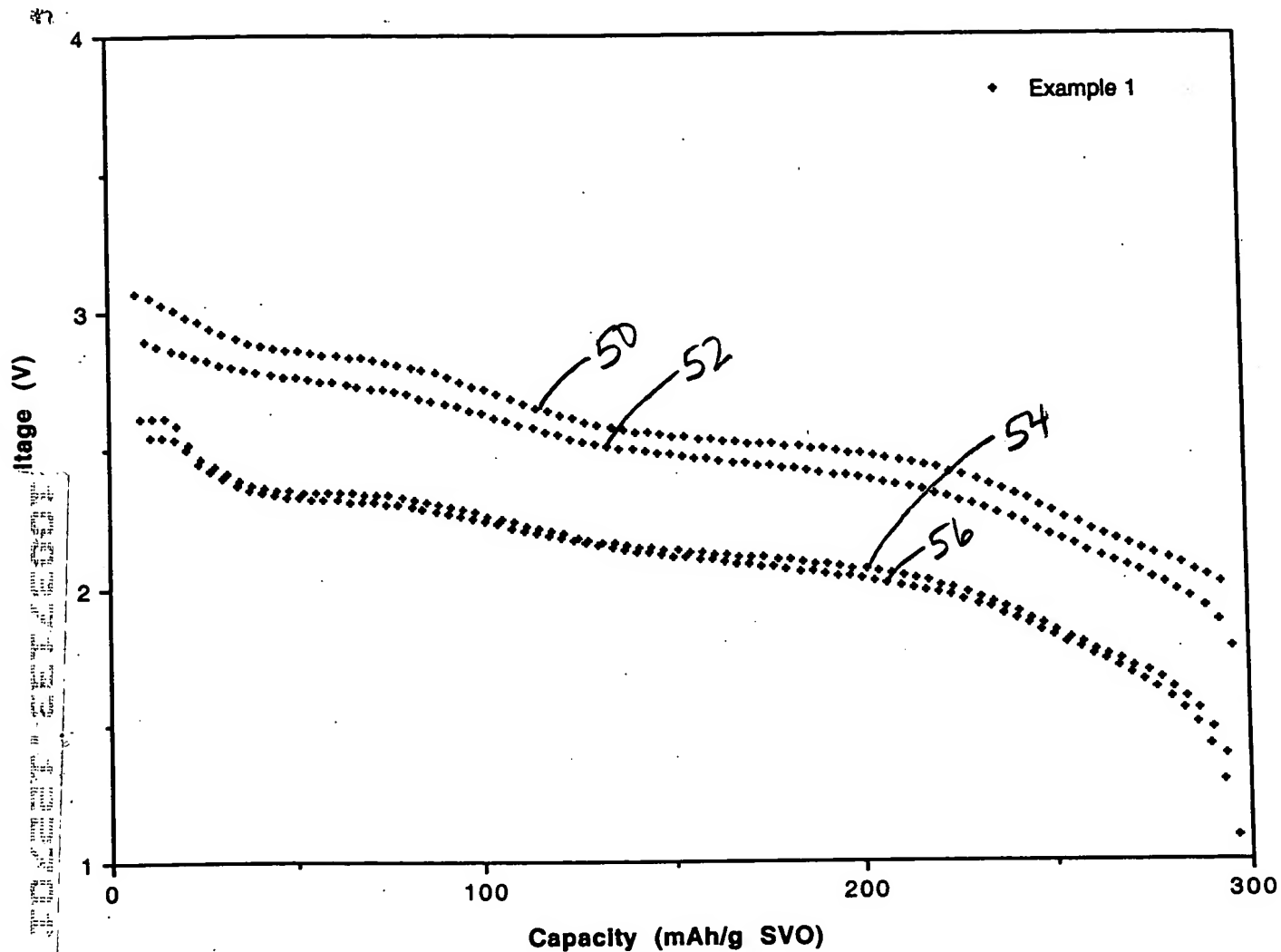


Fig. 3

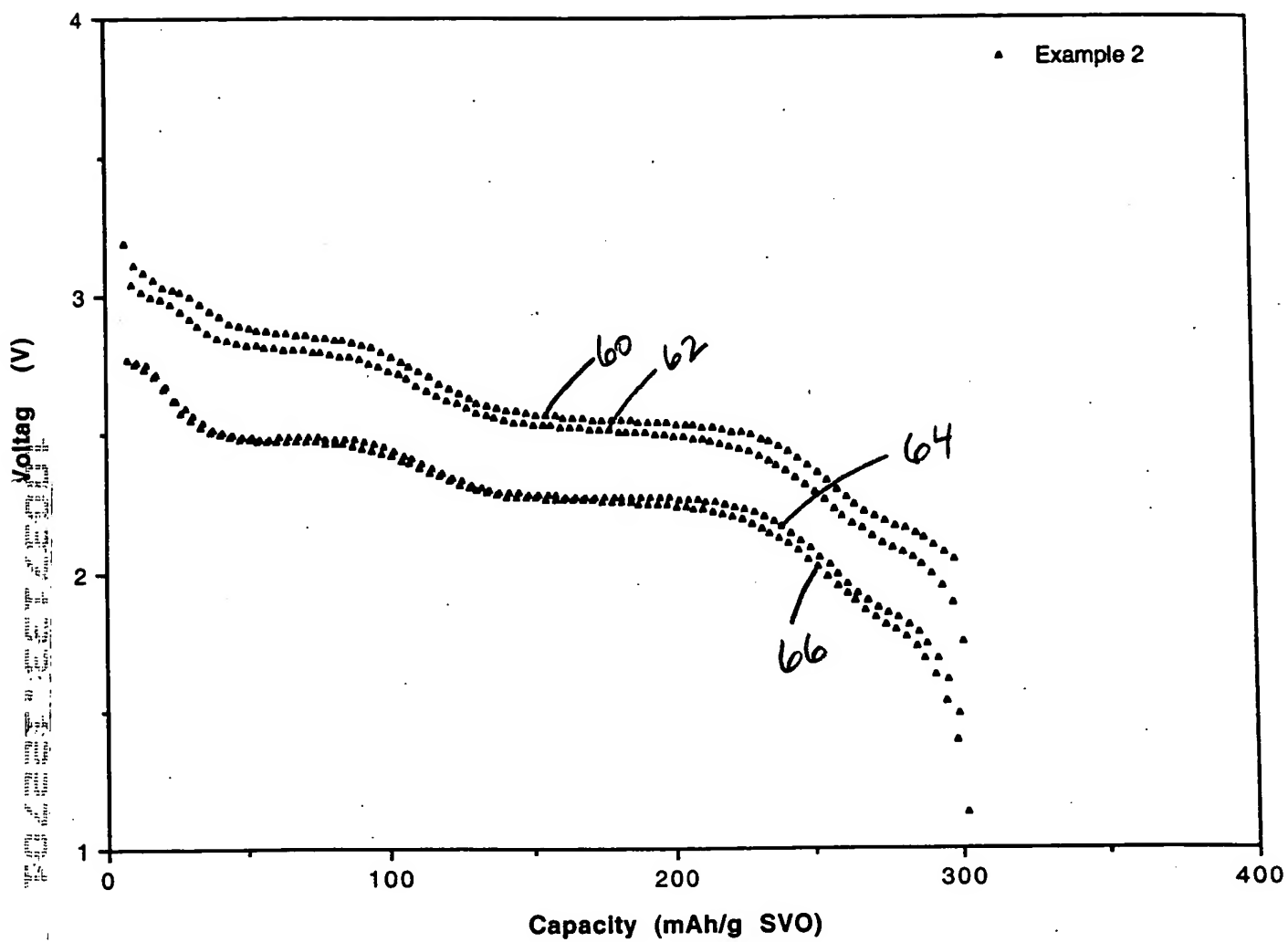


FIG. 4

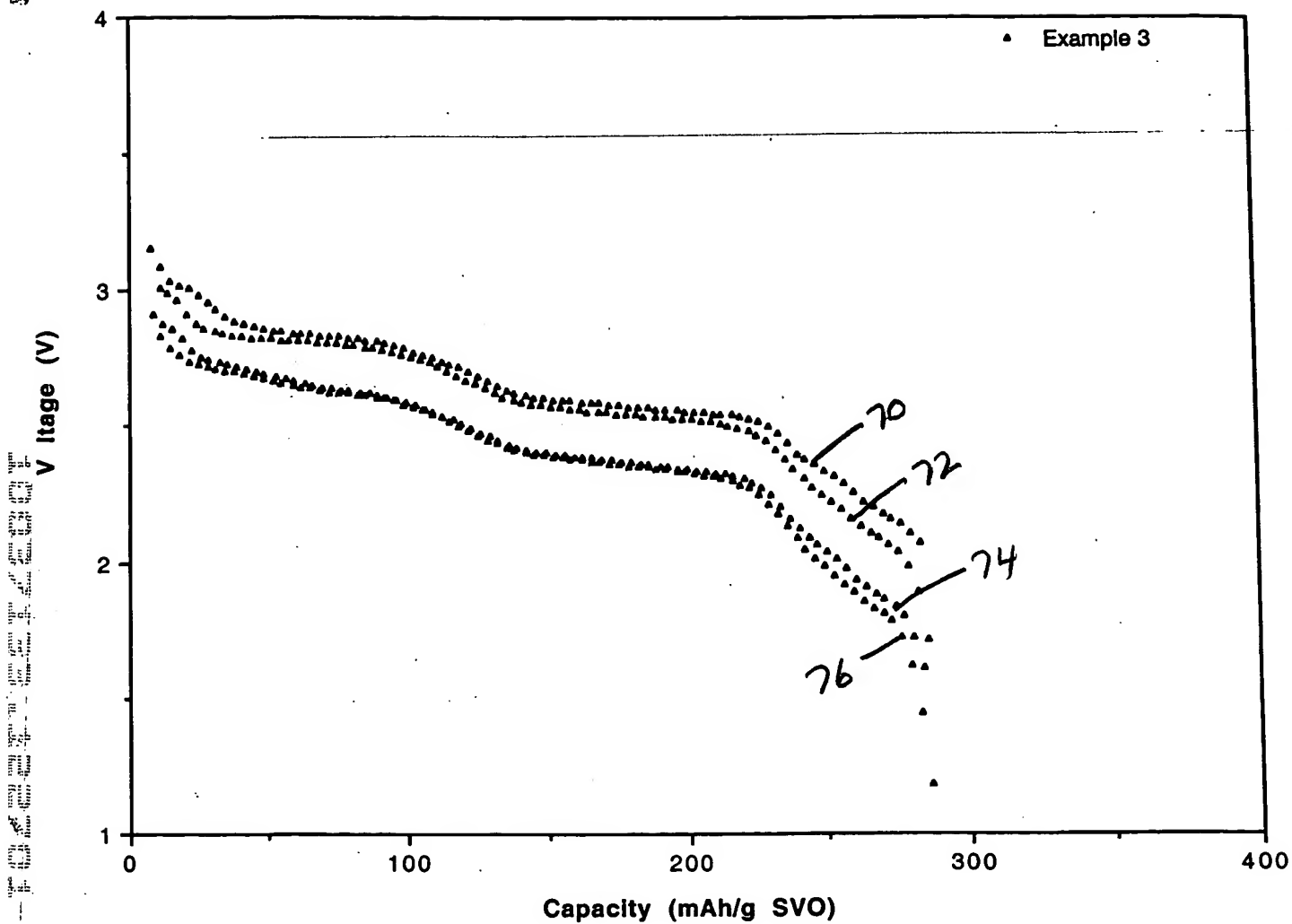


FIG. 5

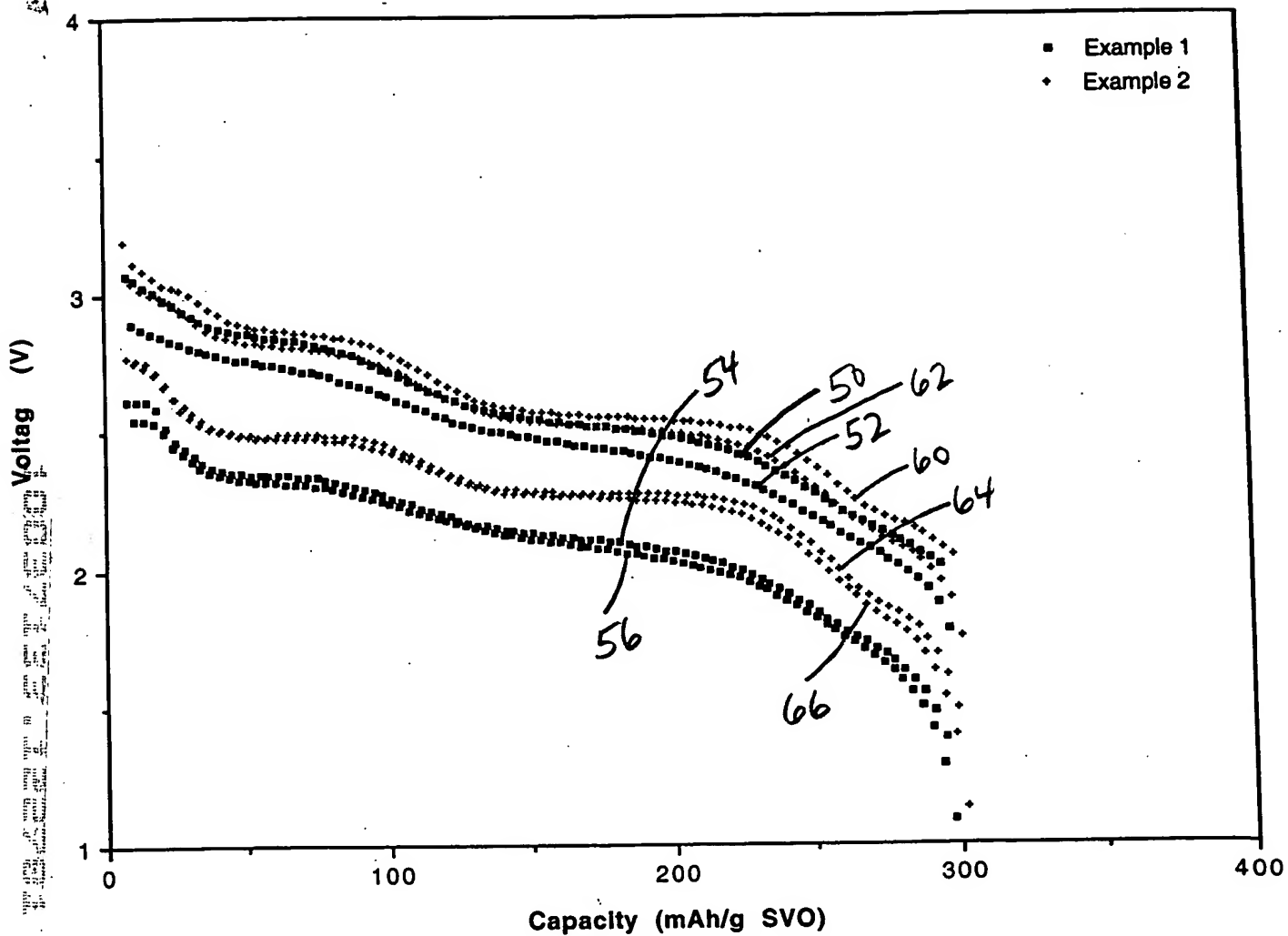


FIG. 6

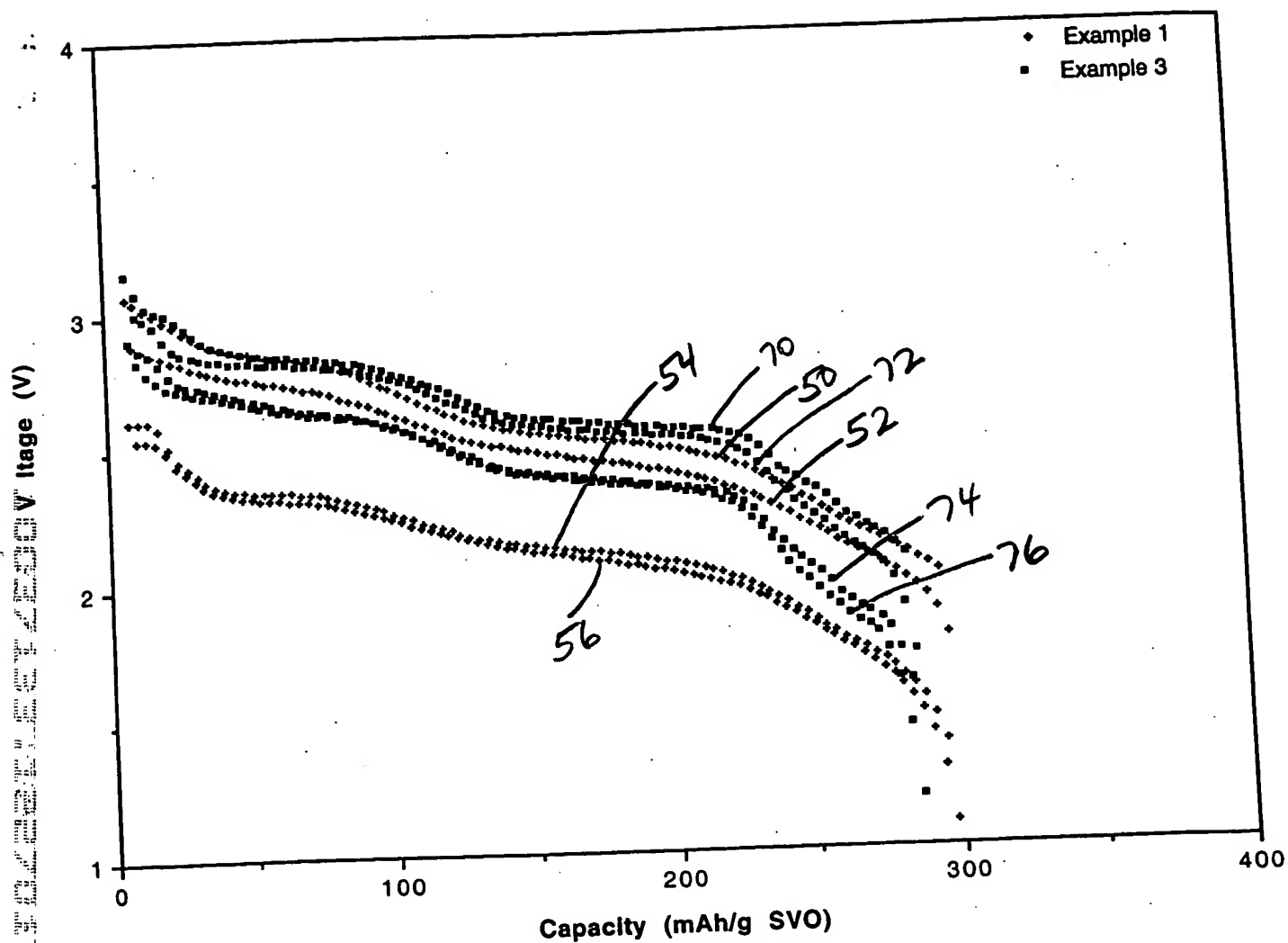


FIG. 7

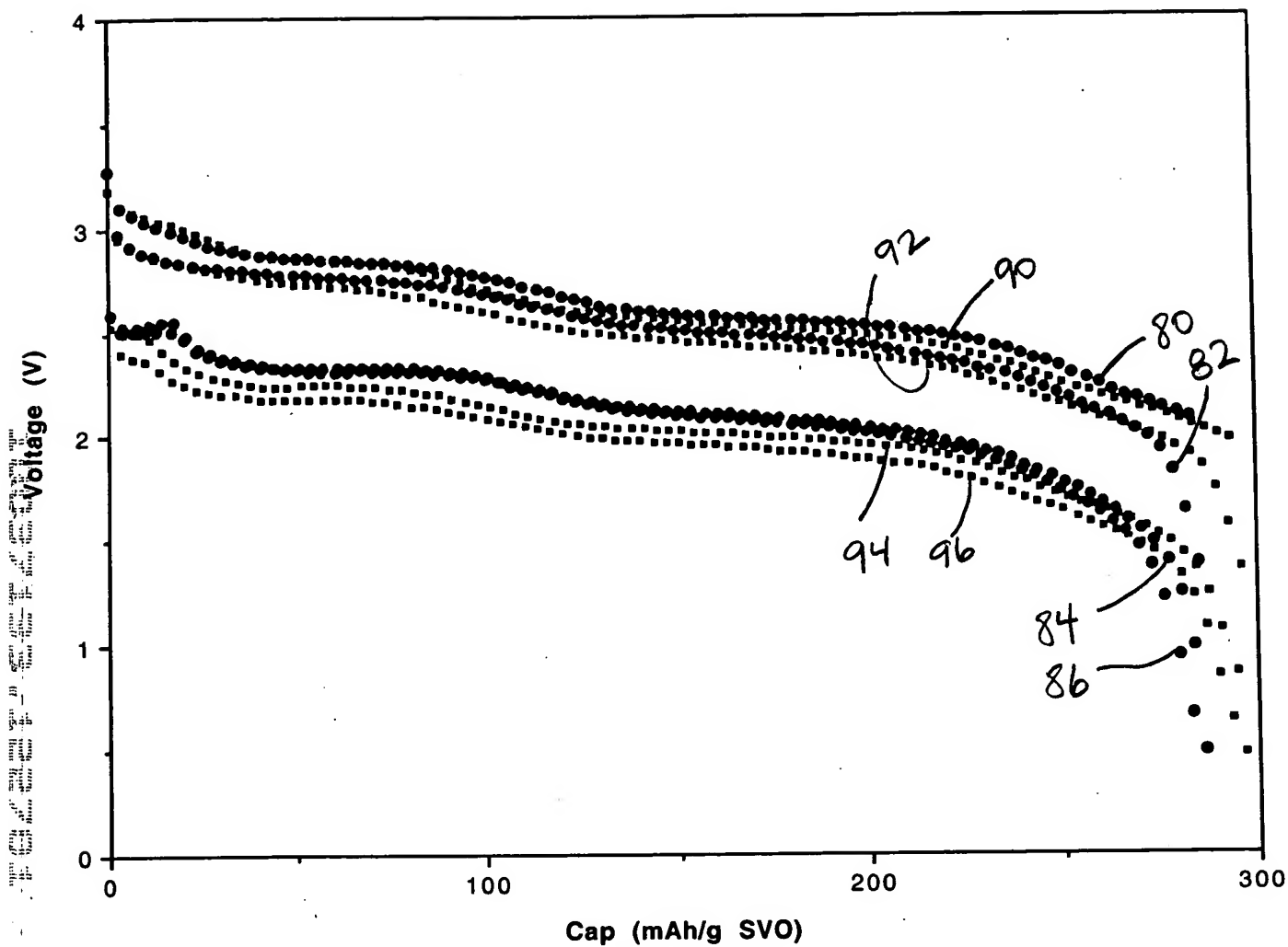


Fig. 8



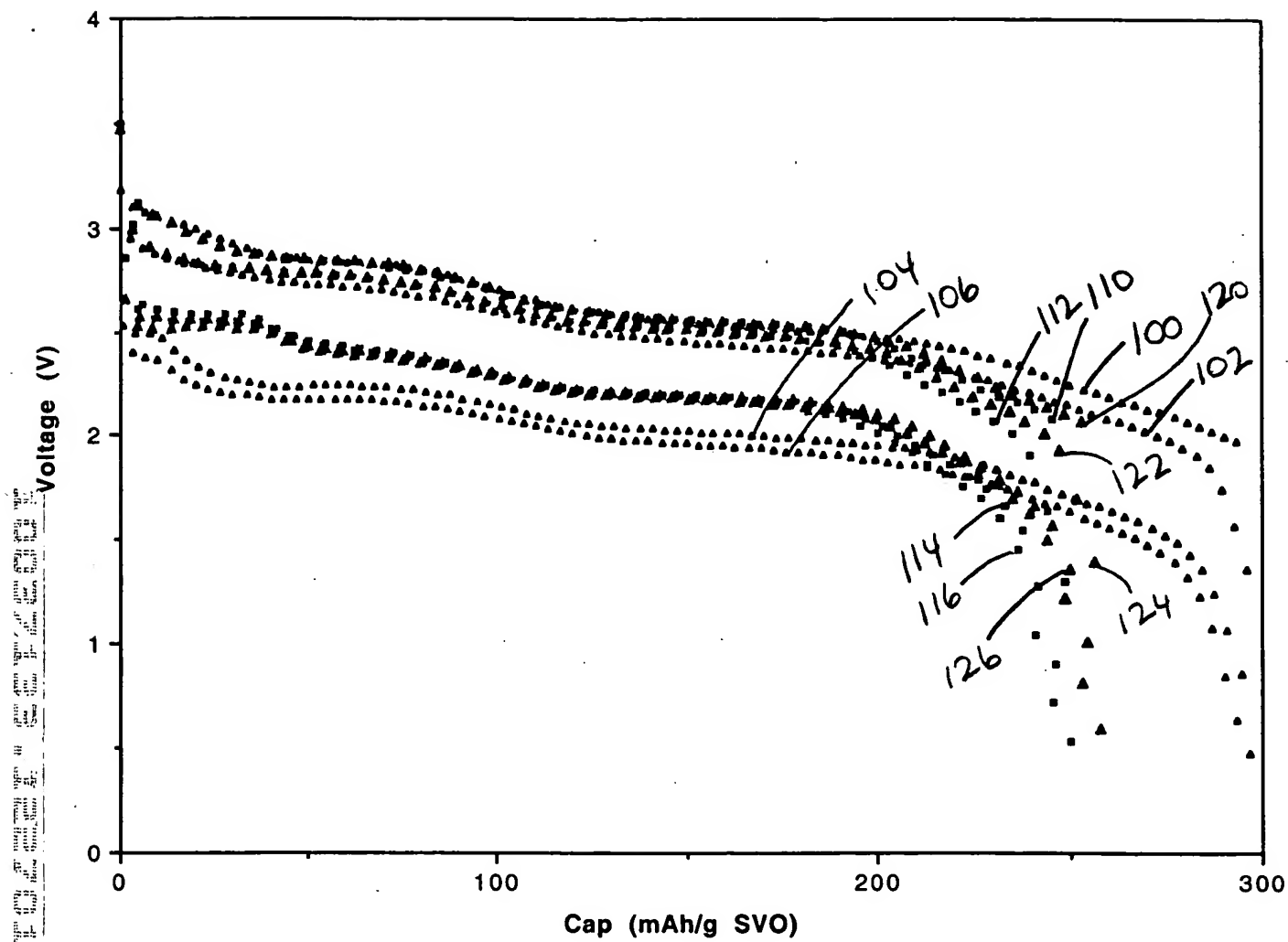


FIG. 9

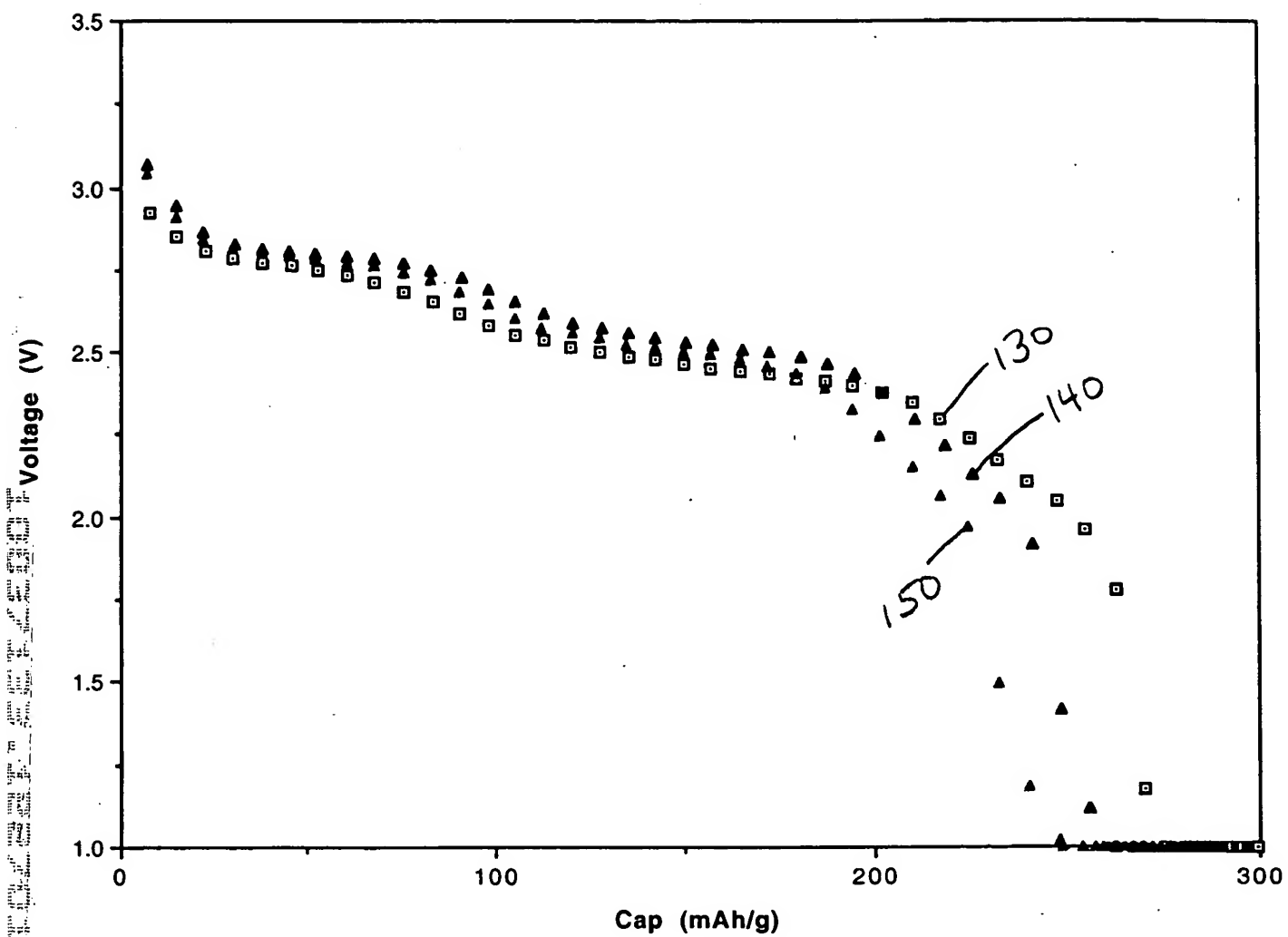


FIG. 10